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 AN 131:326327 CA  
 TI Foamed concrete building blocks with high **fly ash**  
 content and their manufacture  
 IN Lu, Chongde  
 PA Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 7 pp.  
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 LA Chinese  
 IC ICM C04B026-00  
 CC 58-4 (Cement, Concrete, and Related Building Materials)  
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AB The foam concrete building blocks are manufd. from a mixt. contg.  
**fly ash** 30-60, **cement** 20-45, quicklime 5-20,  
 filler (sand, crushed **slag**, carbide **slag**, etc.) 5-20,  
 activator (Na<sub>2</sub>SiO<sub>3</sub> or Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>) 5-20, foaming agent (rosin pyrolytic  
 polymer, SDBS, etc.) 0.18-0.25, additive (CaCl<sub>2</sub>, NaCl, quicklime,  
 Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>,  
 etc.) 0-0.8, and water. The prodn. process comprises mixing **fly**  
**ash**, **cement**, quicklime, filler, activator, additive, and  
 water for 3-5 min, adding foaming paste (prepd. by mixing foaming agent  
 with water at a ratio of 1:35-50), stirring for 8-15 min, pouring into  
 mold, solidifying for 5-8 h, cutting, demolding, and curing by covering  
 with vinyl house or black plastic film for 7-24 d. Hollow building  
 blocks  
 can be made by vacuumizing before cutting.  
 ST building block foam concrete **fly ash**; foam building  
 block concrete **fly ash**; concrete building block foam  
**fly ash**; **fly ash** building block foam  
 concrete  
 IT